



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.2601

Job Sheet 196336



Part No: 647.2601

Job Qty: 1 pcs ✓

Part Name: 407 Cable Cutter System, High



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 6/11/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 7/19/19

Description: SIOP

Type: Stock

Note: DWG REV N/C IPP REV:A 12.09.21 NEW ISSUE DD VERF:JLM IPP REV:B 14.02.05 ADDED ITEM 26 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs ✓		7/19/19	0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							→ Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
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							Packaging 1 - 29		
							Packaging 1 - 30		



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CANADA
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www.dartaerospace.com

Container No: S210435



Part: 647.2601

Job No: 196336

Serial No/Batch: S210435

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 08/30/19

Plex 6/11/19 2:51 PM Dart.lajeunesse.marie

					Packaging 1 - 31	
					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120 QC 4	1 pcs	7/19/19	0.00 0.00		QC 4 - 28	
					QC 4 - 58	
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
					QC 4 - 68	
					QC 4 - 72	
					QC 4 - 74	
125 DC - 1 - B4B	1 pcs	7/19/19	0.00 0.00		DC - 1 - B4B	346 21 9-59
					DC - 2 - B4B	683 12 9-59
130 Packaging 3-1 - Stock - B4B	1 pcs	7/19/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
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					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
140 QC 21 - SA	1 pcs	7/19/19	0.00 0.00		QC 21 - SA - 21	
					QC 21 - SA - 70	683 21 9-59
					QC 21 - SA - 53	
Part Op 110 - (Pick Kit)						
Descriptions: 120 - (QC4- 100% Inspect kits for completeness)						
125 - (Document Control) Photocopy bluefile & type labels per PPP 647.2601						
130 - Identify and pack for shipping as per PPP 647.2601						
140 - (QC21- Final Inspection - Work Order Release)						

011699

Part / Item	Exp Date	Component Name	Quantity	Operation	Container
600.0990	03-31-20	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	S200122 ✓
600.0991	03-31-20	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	S200123 ✓
600.1012	11-19	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	S166686 ✓
601.2045	12-20	RTV (LOCTITE 598)	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	S164007 ✓
646.9802		Lower Cutter Assembly High	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	E126804 ✓
647.0112		Strut Bracket	6 pcs (6 ea)	110-Packaging 1 - Pick Kit	S162314 ✓
647.0116		Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	S039680 ✓
647.0210		Rail	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	S127577 ✓
647.0310		Channel	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	S096837 ✓
647.2010		Upper Strut	3 Ea (3 ea)	110-Packaging 1 - Pick Kit	S160227 ✓
647.4501		Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	E123151 ✓
647.4611		Deflector	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F104444 ✓
647.4711		Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F91290 ✓
647.4712		Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F91273 ✓
647.4713		Doubler	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F90584 ✓
647.4714		Clip LH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	M126249 ✓
647.4715		Clip RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	FM126249-31 ✓
647.4716		Spacer	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	FM126249-32 ✓
647.4717		Clip Aft LH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	FM126249-33 ✓
647.4718		Clip Aft RH	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F91285 ✓
647.4719		Clip Fwd	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	FM126249-35 ✓
647.7801		Grounding Cable Assembly	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	F91265 ✓
AN3-11A		Bolt	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	S149267 ✓
AN3-4A		Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	S167263 ✓
CCR264SS3-04		Rivet	32 Ea (32 ea)	110-Packaging 1 - Pick Kit	S157070 ✓
CR3212-4-3		Cherry Rivet	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	S099573 ✓
CR3212-4-3		Cherry Rivet	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	S134221 ✓
CR3212-4-6		Cherry Rivet	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	S019422 ✓
CR3213-4-1		Cherry Rivet	7 Ea (7 ea)	110-Packaging 1 - Pick Kit	S019423 ✓
CR3213-4-2		Cherry Rivet	38 Ea (38 ea)	110-Packaging 1 - Pick Kit	S152646 ✓
CR3213-4-3		Rivet, Cherry	38 Ea (38 ea)	110-Packaging 1 - Pick Kit	S157518 ✓
CR3213-4-4		Rivet, Cherry	7 Ea (7 ea)	110-Packaging 1 - Pick Kit	S181001 ✓
CR3213-4-5		Rivet	16 Ea (16 ea)	110-Packaging 1 - Pick Kit	S143717 ✓
CR3213-4-9		Rivet	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	FM128199 ✓
CR3242-4-4		Rivet	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	F104322 ✓
HL19P3-5-4		Hi-Lok Pin	4 pcs (4 ea)	110-Packaging 1 - Pick Kit	123301 ✓
HL70-5		Hi-Lok Coiler	4 pcs (4 ea)	110-Packaging 1 - Pick Kit	F123301-40 ✓
MS21042-08		Use MS21042L08	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	S205000 ✓
MS21042-3		Nut use MS21042L3 per QSI 017	14 Ea (14 ea)	110-Packaging 1 - Pick Kit	S204283 ✓
MS21059-3		Nut Plate	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	F123900-3 ✓
MS21059L08		Nut	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	S140391 ✓
MS21071L3		Anchor Nut	8 pcs (8 ea)	110-Packaging 1 - Pick Kit	S157740 ✓
MS24594-S8		Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	FM138333 ✓
MS25036-109		Terminal	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F123390 ✓
MS27039-08-06		Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	S006962 ✓
MS27039-08-11		Screw	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	FM138336-10 ✓
MS27039-08-13		Screw	21 Ea (21 ea)	110-Packaging 1 - Pick Kit	S123937 ✓
MS27039-1-08		Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	S167111 ✓
MS27039-1-09		Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	S133788 ✓
MS27039-1-11		Screw	1 Ea (1 ea)	110-Packaging 1 - Pick Kit	FM138326.83 ✓
MS27039-1-12		Screw	7 Ea (7 ea)	110-Packaging 1 - Pick Kit	S174154 ✓
MS27039-1-19		Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	S156890 ✓
NAS1146F0332P		Washer	46 Ea (46 ea)	110-Packaging 1 - Pick Kit	S167104 ✓
NAS1146FN832P		Washer	30 Ea (30 ea)	110-Packaging 1 - Pick Kit	S191300 ✓
NAS1235-08		Insert	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	S020605 ✓

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	600.0990	1	16	0
	600.0991	1	16	0
	600.1012	1	21	0
	601.2045	1	21	0
	646.9602	1	12	0
	647.0112	6	41	0
	647.0116	1	14	0
	647.0210	1	12	0
	647.0310	1	12	0
	647.2010	3	34	0
	647.4501	1	11	0
	647.4611	1	9	0
	647.4711	1	15	0
	647.4712	1	21	0
	647.4713	1	55	0
	647.4714	1	21	0
	647.4715	1	21	0
	647.4716	1	19	0
	647.4717	1	34	0
	647.4718	1	21	0
	647.4719	2	60	0
	648.7801	2	19	0
	AN3-11A	10	203	0
	AN3-4A	2	546	0
	CCR264SS3-04	32	185	0
	CCR264SS3-3	6	159	0
	CR3212-4-3	4	157	0
	CR3212-4-6	2	100	0
	CR3213-4-1	7	87	0
	CR3213-4-2	38	182	0
	CR3213-4-3	38	209	0
	CR3213-4-4	7	93	0
	CR3213-4-5	16	304	0
	CR3213-4-9	2	140	0
	CR3242-4-4	1	254	0
	HL19PB-5-4	4	68	0
	HL70-5	4	72	0
	MS21042-08	10	136	0
	MS21042-3	14	536	0
	MS21059-3	10	256	0
	MS21059L08	1	152	0
	MS21071L3	8	64	0
	MS24694-S8	2	227	0
	MS25036-109	1	73	0
	MS27039-08-06	2	298	0
	MS27039-08-11	1	1,019	0
	MS27039-08-13	21	402	0
	MS27039-1-08	4	463	0
	MS27039-1-09	4	334	0
	MS27039-1-11	1	221	0
	MS27039-1-12	7	104	0
	MS27039-1-19	4	465	0
	NAS1149F0332P	46	3,061	0
	NAS1149FN832P	30	1,272	0
	NAS1835-08	2	75	0

Part Specifications

Specifications could not be found.

Plex 6/11/19 2:51 PM Dart.lajeunesse.marie



Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only

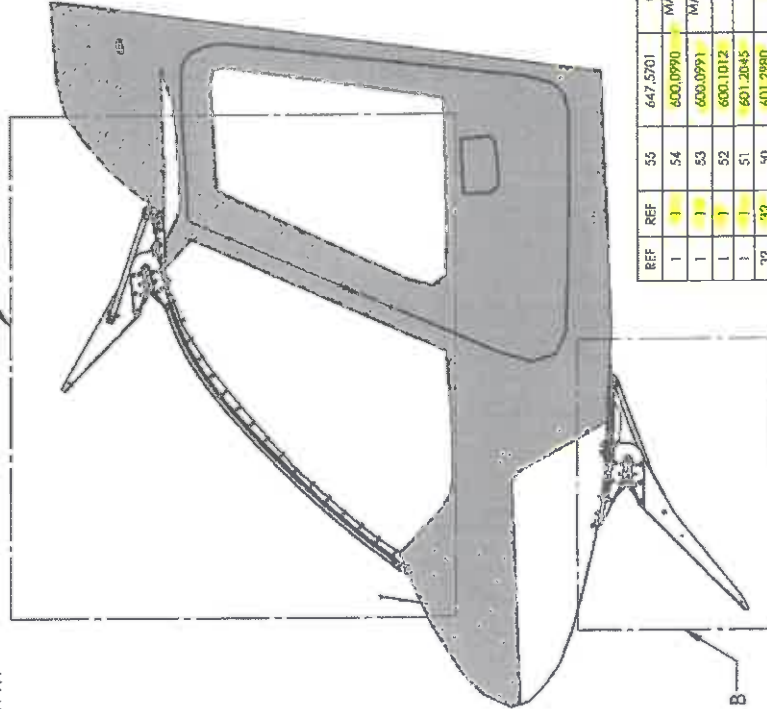
Job: _____		DISPOSITION		DEPARTMENT/PROCESS	
Part No. _____		Rework ☐	Skid-tube ☐	Cross tube ☐	Eng. (Non-AW) ☐
		Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐
		Use-as-is ☐	Large Fab ☐	Finishing ☐	Rec/Store/Packaging ☐
Date: _____		Sequence #: _____		QTY Affected: _____	
Description Work Order Deviation		Disposition			
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY			
		Pressure/Forced ☐	Contamination ☐	Power Loss/Surge ☐	Positioned Wrong ☐
		Bending ☐	Misaligned/off center ☐	Folio/Program ☐	Outside Tolerance ☐
		Crushing ☐	BOM/Route ☐	Grain Direction ☐	Drawing ☐
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Finish ☐		
Crimp/Kink/Ripple/Wave/Twist ☐	Incomplete/Unclear Instructions ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Marks/Chatter ☐	Drill Holes ☐	Out of Sequence ☐	Misread ☐		
Mislabeled ☐	Fit/Function ☐	Off-set/Set-up ☐			
Other/Details: _____					
Completed By		Lead hand / Supervisor			
QC / QA Coordinator					

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
UNINCORPORATED ECN(S)
UNINCORPORATED ECN(S)

NOTES:

1. AFTER INSTALLATION, APPLY FIN 51 TO FILL GAPS AND FILLET EDGES
2. APPLY FIN 52 TO ALL FAYING SURFACES.
3. AT CUSTOMERS OPTION, INSTALL FIN 55 BY MATCH DRILLING ONTO FIN 12, FIN 18 OR FIN 19.

DETAIL A



DETAIL B

647.2601 SHOWN
647.2602 TYP

UNINCORPORATED ECN(S)

02049, 03000, 03218

REV	DATE	BY	CHKD	APPROVED
1	02/04/99	03/00/00	03/21/98	
2	03/00/00	03/21/98		
3	03/21/98			
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100	03/21/98			

REF	REF	647.5701	GPS MOUNT KIT	DESCRIPTION	PART #	FIND #	MATL	SPEC.
1	54	600.0990	MAGNABOND 6398	PARA				
1	53	600.0991	MAGNABOND 6398	PART B				
1	52	600.1012	SEALANT	RTV				
1	51	601.2045	NUTPLATE RIVET					
32	30	601.2980	NUTPLATE RIVET					
6	49	601.2356	NUTPLATE					
1	48	601.1950	NUTPLATE					
10	10	601.2937	NUTPLATE					
8	8	601.2638	WASHER					
2	2	601.1607	WASHER					
37	37	601.2764	LOCKNUT					
55	55	601.2943	LOCKNUT					
10	10	601.2973	LOCKNUT					
27	27	601.2984	INSERT					
2	2	601.2984	INSERT					
2602	2602							

QTY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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APICAL INDUSTRIES, INC.		ENGINEERING CHANGE NOTICE NO. 03090				SHEET 1 OF 2	
DWG NO. 647.2600 REV: N/C PREPARED BY: R. ROSAND DATE: 04/28/11 EFFECT ON DWG ☐ INC. ☒ UNINC.							
DWG TITLE: 407 CABLE CUTTER KIT							
APPROVED BY: <i>[Signature]</i> ENGR: <i>[Signature]</i> MFG: <i>[Signature]</i> EFF: <i>[Signature]</i> CURRENT ORDER							
REASON: ADDED TO AND REVISED BOM, REVISED CALLOUTS IN DRAWING VIEWS							
TRANSACTION CODES (C/D) A-ADD C-CREATE R-REVISE D-DELETE							

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
58	A	601.1948	4	4	SCREW	MS27039-1-19
57	A	601.2893	1	1	SCREW	MS27039-0811
56	A	601.2988	21	21	SCREW	MS27039-0813
44	R	601.1607	46	46	WASHER	NAS1149F0332P
43	R	601.2764	36	36	WASHER	NAS1149FN832P
42	R	601.2943	14	14	LOCKNUT	MS21042-3
41	R	601.2973	10	10	LOCKNUT	MS21042-08
38	R	601.3305	4	4	HI-LOK PIN	HL19PB-5-4
24	D	601.2765	26	26	SCREW	MS27039-0819
1	R	648.7801	2	2	GROUNDING CABLE ASSY	

DOCUMENTS EFFECTED:		☐ MDL ☒ INSTALL INSTRU ☒ ICA ☒ BOM ☐ MAJOR ☒ MINOR		CHANGE CATEGORY ☐ MAJOR ☒ MINOR		DER REVIEW REQUIRED ☐ YES ☒ NO	
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